CLAIMS

WHAT IS CLAIMED IS:

- A chair foldable between a closed, collapsed
 position for storage and an open, extended sitting position comprising:
- a frame having spaced side walls and top and bottom walls extending between respective ends of said side
- 6 walls;
- a first pair of spaced legs having upper and
- 8 lower ends;
 - a second pair of spaced legs having upper and
- 10 lower ends located between and inwardly of said first pair of spaced legs;
- a first pair of pivot means intermediate the ends of said first and second legs for rotatably connecting one
- 14 of each pair of legs together;
 - a second pair of pivot means adjacent the upper
- 16 ends of each of said first legs cooperatively engaging a first pair of sliding slots defined by said frame for
- 18 rotatably connecting said first pair of legs to said frame and enabling movement along said slot;
- a third pair of pivot means adjacent the lower ends of each of said second legs for rotatably connecting
- 22 said second pair of legs to said frame adjacent its bottom wall;
- a seat positioned between said first pair of legs and between said second pair of legs, said seat having a
- 26 supporting surface defined between front and rear edges;

- a fourth pair of pivot means one on either side
- 28 of said seat intermediate its front and rear edges for rotatably connecting said seat to the upper ends of said
- 30 second pair of legs; and,
 - a fifth pair of pivot means rearward on said seat
- of said fourth pivot means cooperatively engaging a second pair of sliding slots defined one in each of the first pair
- of legs for rotatably connecting said seat to said first pair of legs and enabling motion along said slot, whereby
- the chair may be moved between a closed, folded position in said frame with the first and second pair of legs and the
- 38 seat collapsed to a substantially flat condition and an open position with said seat extended and first leg lower
- 40 portions and said frame bottom wall locatable on a supporting surface.
 - 2. The chair of claim 1 wherein the thickness of
- 2 said first and second pair of legs and said seat is less than the depth of the frame side walls whereby the chair
- 4 lies entirely within the frame when the chair is collapsed and moved to its closed position.
 - 3. The chair of claim 1 wherein said frame
- 2 further includes a back wall extending between said top, bottom and side walls to define a relatively shallow
- 4 cavity.

- 4. The chair of claim 1 wherein the top, bottom
- and side walls are made of relatively thin material having a generally L-shaped cross section, the leg portion of the
- 4 walls extending inwardly and the upright portion of the L-shaped walls extending not more than 1-3/4 inches to define
- 6 a relatively shallow cavity not more than 1-3/4 inches deep.
 - 5. The chair of claim 4 wherein said frame
- 2 further includes a back wall extending between said top, bottom and side walls and overlapping the leg portions of
- 4 the L-shaped walls to define said cavity.
 - 6. The chair of claim 1 wherein said frame
- 2 further includes a second pair of spaced side walls extending between said top and bottom walls, one pair of
- 4 side walls being disposed inwardly of the other pair of side walls to define inner and outer side walls adjacent
- 6 each side of said frame, said first and second pairs of legs being connected to the frame on either side thereof
- 8 between said inner side walls.
 - 7. The chair of claim 6 wherein said second pair
- 2 of legs are each spaced from respective inner side walls with said first pair of legs being respectively disposed
- 4 between said inner side walls and said first pair of legs with the distance from said first pivot means to the lower
- 6 end of each of said first legs being less than the distance from said first pivot means to said third pivot means.

- 8. The chair of claim 6 wherein said inner side walls are structurally stronger than said outer side walls to support the weight of a user sitting on the seat.
- 9. The chair of claim 6 further including a pair
- of spaced, elongate arm rests, each pivotally connected to said frame between respective inner and outer side walls
- 4 for rotational movement between a closed position within the frame and an open position extending from the frame
- 6 upwardly from and to either side of the seat.
 - 10. The chair of claim 1 further including a
- 2 pair of spaced, elongate arm rests, each pivotally connected to said frame for rotational movement between a
- 4 closed position within the frame and an open position extending from the frame upwardly from and to either side
- 6 of the seat.
- 11. The chair of claim 1 wherein said seat is
 2 relatively rigid.
- 12. The chair of claim 1 further including a back rest extending between said first pair of legs.
- 13. The chair of claim 12 wherein said back rest
- 2 is pivotally connected to said first pair of legs adjacent their respective upper ends.

- 14. The chair of claim 1 further including a
- 2 back rest pivotally connected to said frame being disposed forward of said first pair of legs with said back rest
- 4 having a lower portion slidable along said first pair of legs, whereby said back rest lower portion is moved
- 6 outwardly relative to said frame as said first pair of legs are rotated forwardly from a closed position to an open
- 8 position.
 - 15. The chair of claim 1 further including a
- 2 back rest pivotally connected to said frame being disposed forward of said first pair of legs, a linkage having one
- 4 end pivotally connected to a first leg upper end portion, and a slot pin joint connecting the second end of said
- 6 linkage and a lower portion of the back rest, whereby said back rest lower portion is moved relative to said frame by
- 8 said linkage as said first pair of legs are rotated forwardly from a closed position to an open position.
- 16. The chair of claim 1 wherein said chair
- 2 further includes hanger receiving means for hanging said frame on a substantially upright surface with the top wall
- 4 positioned generally horizontally at the top thereof.
 - 17. The chair of claim 16 wherein said chair
- 2 further includes hanger receiving means for hanging said frame on a substantially upright surface with the top wall
- 4 positioned generally vertically at one side thereof.

- 18. A chair foldable between a closed, collapsed
 2 position for storage and an open, extended sitting position
- a frame including spaced top and bottom walls, a pair of spaced side walls joined respectively to said top
- 6 and bottom walls;

comprising:

- a first pair of spaced legs having upper and
- 8 lower end portions;
 - a second pair of spaced legs having upper and
- 10 lower end portions, each of said second legs being pivotally connected to a respective one of said first pair
- of legs intermediate their respective ends for rotation relative to each other, each of said second leg lower end
- 14 portions being pivotally connected to said frame adjacent its bottom wall;
- a first pair of sliding pin joints for respectively connecting said first leg upper end portions
- 18 to said frame with said first legs being movable up and down and pivotable relative to said frame as the first leg
- 20 lower end portions are rotated between an inward closed position within the frame and an outward open position;
- a seat for supporting a user positioned between said first legs and second legs and having front and back
- 24 edges, said seat being pivotally connected intermediate its front and back edges to respective second leg upper end
- 26 portions for rotation relative to said second pair of legs;
- a second pair of sliding pin joints for connecting
- 28 said seat adjacent its back edge to each of said second leg upper end portions with said seat being movable along said
- 30 first legs and pivotable relative thereto as said seat is

rotated relative to said second pair of legs, whereby the

- 32 chair may be moved between a closed, folded position with said frame with the first and second pair of legs and the
- 34 seat collapsed to a substantially flat condition and an open position with said seat extended and first leg lower
- 36 portions and said frame bottom wall locatable on a supporting surface.
 - 19. The chair of claim 18 wherein the thickness
- 2 of said first and second pair of legs and said seat is less than the depth of the frame side wall whereby the chair
- 4 lies within the frame when the chair is collapsed and moved to its closed position.
 - 20. The chair of claim 18 wherein said frame
- 2 further includes a back wall extending between said top, bottom and side walls to define a relatively shallow
- 4 cavity.
- 21. The chair of claim 18 wherein said top,
- 2 bottom and side walls are made of relatively thin material having a generally L-shaped cross section, the leg portion
- 4 of the walls extending inwardly and the upright portion of the L-shaped walls extending not more than 1-3/4 inches to
- 6 define a relatively shallow cavity not more than 1-3/4 inches deep.

- 22. The chair of claim 21 wherein said frame
- 2 further includes a back wall extending between said top, bottom and side walls and overlapping the leg portions of
- 4 the L-shaped walls to define said cavity.
 - 23. The chair of claim 21 wherein said frame
- 2 further includes a second pair of spaced side walls extending between said top and bottom walls, one pair of
- 4 side walls being disposed inwardly of the other pair of side walls to define inner and outer side walls adjacent
- 6 each side of said frame, said first and second pairs of legs being connected to said frame on either side thereof
- 8 between said inner side walls.
 - 24. The chair of claim 23 wherein each of said
- 2 first sliding pin joints includes a pin carried by the leg and a slot formed in a frame inner side wall adapted to
- 4 receive the pin.
- 25. The chair of claim 24 wherein each of said
- 2 second sliding pin joints includes a pin carried by the leg and a slot formed in a respective first leg intermediate
- 4 its upper and lower ends adapted to receive the pin.
- 26. The chair of claim 23 wherein said inner
- 2 side walls are structurally stronger than said outer side walls to support the weight of a user sitting on the seat.

- 27. The chair of claim 23 further including a
- 2 pair of spaced, elongate arm rests, each pivotally connected to said frame between respective inner and outer
- 4 side walls for rotational movement between a closed position within the frame and an open position extending
- 6 from the frame upwardly from and to either side of the seat.
 - 28. The chair of claim 18 further including a
- 2 pair of elongate arm rests, each pivotally connected to said frame for rotational movement between a closed
- 4 position within the frame and an open position extending from the frame upwardly from and to either side of the
- 6 seat.
- 29. The chair of claim 18 further including a
- 2 back rest extending between said first leg upper portions.
- 30. The chair of claim 29 wherein said back rest
- 2 is pivotally connected to said first leg upper portions.
 - 31. The chair of claim 18 further including a
- 2 back rest pivotally connected to said frame and being disposed forward of said first pair of legs with said back
- 4 rest having a lower portion slidable along said first pair of legs, whereby said back rest lower portion is moved
- 6 outwardly relative to said frame as said first pair of legs are rotated forwardly from a closed position to an open
- 8 position.

- 32. The chair of claim 18 further including a
- 2 back rest pivotally connected to said frame and being disposed forward of said first pair of legs, a linkage
- 4 having one end pivotally connected to a first leg upper end portion, and a slot pin joint connecting a second end of
- 6 said linkage and a lower portion of the back rest, whereby said back rest lower portion is moved relative to said
- 8 frame by said linkage as said first pair of legs are rotated forwardly from a closed position to an open
- 10 position.
- 33. The chair of claim 18 wherein said second 2 pair of legs are disposed inwardly and between said first pair of legs.
- 34. The chair of claim 18 wherein said
 2 respective first and second pairs of legs are connected by pivots for rotation about a common horizontal axis.
- 35. The chair of claim 34 wherein said seat and said second pair of legs are connected by pivots for rotation about a second common horizontal axis.
- 36. The chair of claim 18 wherein said seat is 2 relatively rigid.

- 37. The chair of claim 18 wherein said chair
- 2 further includes hanger receiving means for hanging said frame on a substantially upright surface with the top wall
- 4 positioned generally horizontally at the top thereof.
 - 38. The chair of claim 37 wherein said chair
- 2 further includes hanger receiving means for hanging said frame on a substantially upright surface with the top wall
- 4 positioned generally vertically at one side thereof.

- 39. A chair foldable between a closed, collapsed
 2 position for storage and an open, extended sitting position
 comprising:
- a frame including spaced top and bottom walls, a pair of spaced side walls joined respectively to said top
- 6 and bottom walls, and a back wall extending between said top, bottom and side walls, said top, bottom and side walls
- 8 being made of relatively thin material having a generally L-shaped cross section, the leg portion of the walls
- 10 extending inwardly and the upright portion of the L-shaped walls extending not more than 1-3/4 inches, the back wall
- overlapping the leg portions of the L-shaped walls to define a cavity not more than 1-3/4 inches deep;
- 14 a second pair of spaced side walls extending between said top and bottom walls, said second pair of said
- side walls being disposed inwardly of said first pair of side walls to define inner and outer side walls adjacent
- 18 each side of said frame, said inner side walls being structurally stronger than said outer walls;
- a first pair of spaced legs having upper and lower end portions;
- 22 a second pair of spaced legs having upper and lower end portions, said second pair of legs being disposed
- 24 inwardly and between said first pair of legs, each of said second legs being pivotally connected to a respective one
- of said first pair of legs intermediate their respective ends for rotation relative to each other, said second pair
- 28 of legs being pivotally connected to said frame on either side thereof adjacent its bottom wall between said inner
- 30 side walls;

- a first pair of sliding pin joints for
- 32 respectively connecting said first leg upper end portions to said inner side walls with said first legs being movable
- 34 up and down and pivotable relative to said frame as the first leg lower end portions are rotated between an inward
- 36 closed position in the frame and an outward open position;
 - a relatively rigid seat for supporting a user
- 38 positioned between said first legs and second legs and having front and back edges, said seat pivotally connected
- 40 intermediate its front and back edges to respective second leg upper end portions for rotation relative to said second
- 42 pair of legs;
 - a second pair of sliding pin joints for
- 44 connecting said seat adjacent its back edge to each of said second leg upper end portions with said seat being movable
- 46 along said first legs and pivotable relative thereto as said seat is rotated relative to said second pair of legs;
- the thickness of said first and second pairs of legs and said seat being less than the depth of the frame
- 50 side walls, whereby the chair may be moved between a closed, folded position with the first and second pair of
- 52 legs and the seat collapsed to a substantially flat condition within said cavity and an open position with said
- 54 seat extended and first leg lower portions and said frame bottom wall locatable on a generally horizontal supporting
- 56 surface; and,

hanger receiving means for hanging said frame on

58 a substantially upright surface.

- 40. The chair of claim 39 further including 2 a back rest extending between said first upper leg portions.
 - 41. The chair of claim 39 further including a
- 2 pair of spaced, elongate arm rests, each pivotally connected to said frame between respective inner and outer
- 4 side walls for rotational movement between a closed position within the frame and an open position extending
- 6 from the frame upwardly from and to either side of the seat.